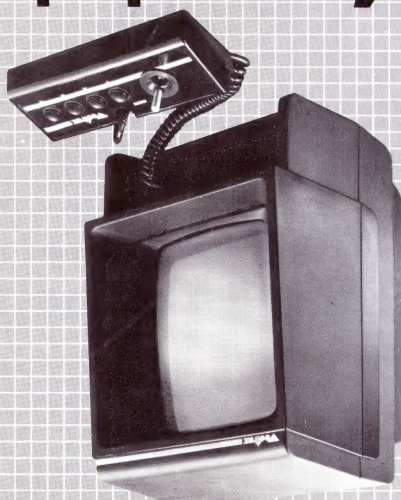


GCE
DES INNOVATIONS DIVERTISSANTES

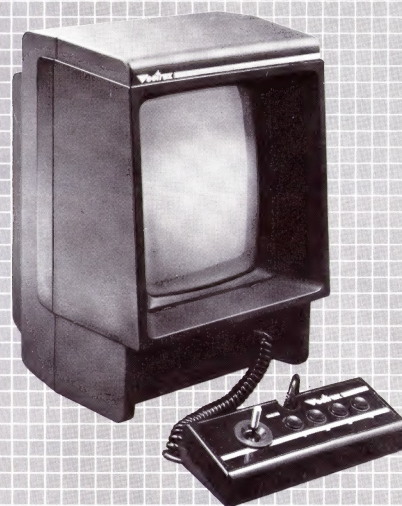
modèle 3000-C1

Manuel du Propriétaire



Vectrex
SYSTÈME "ARCADE"

VectrexTM
ARCADE SYSTEM



Owner's Manual

model 3000-C1

GCE
ENTERTAINING NEW IDEASTM

Congratulations on being a new owner of the Vectrex™ Arcade System. With Vectrex™, you will experience the same fun and challenge of real arcade games right at home — arcade graphics, sounds and game play. That's because Vectrex™ has a special built-in arcade display, a real arcade control panel, an advanced arcade sound system and a powerful microprocessor.

An exciting and challenging new game — **Mine Storm™** — is built right into your new Vectrex™ Arcade System. A wide variety of outstanding Vectrex™ game cartridges are also available right now, including many real arcade favourites like Scramble*, Berzerk,†† and Armor Attack**. And many more games will continue to be introduced for your Vectrex™. Watch for them at your favourite store.

We wish you many hours of good fun and challenge!

Important!

This owner's manual is important to you. Please read it. It shows you exactly how to operate your Vectrex™ Arcade System console so you can enjoy the superb game play you're entitled to. It can save you money too because it shows you simple things you can do and check before you call for help. It also contains your warranty. Please keep this booklet in a handy place for future reference.

TM General Consumer Electronics, Inc., Milton Bradley Canada, Inc., Registered User

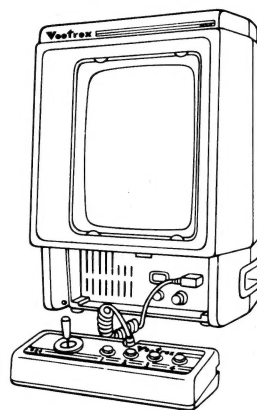
* Trademark of and licensed by Konami Industry ©1981

†† Trademark of and licensed by Stern Electronics, Inc. ©1980

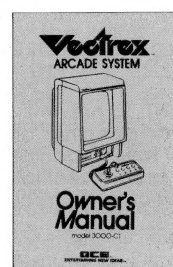
** Trademark of and licensed by Cinematronics, Incorporated. ©1980

Unpacking

When you remove your Vectrex™ Arcade System from the box you should have these items:



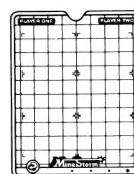
Vectrex™ Arcade System Console with Built-in Control Panel Attached



Owner's Manual



Owner's Club Registration Card



Screen Overlay & Instructions for Mine Storm™ Game



It's a good idea to save the box and styrofoam inserts in case you ever need to move or ship your Vectrex™ Arcade System.

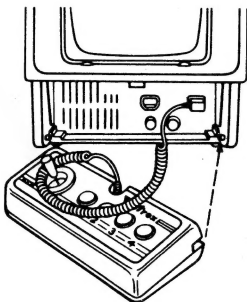
Setting Up

Your Vectrex™ Arcade System is designed for table-top use. For the most enjoyment, select a location where the screen will be at about eye level when you are playing the games. A sturdy table, desk or shelf is suggested. Do not operate the console on a bed, sofa, carpet, etc.

IMPORTANT: To prevent overheating, never block the ventilation openings on the back or bottom of the console. These openings have been designed to provide proper ventilation during operation and should not be enclosed or covered in any way.

Before inserting the plug, make sure the console switch is OFF. The unit will work in any 120 volt AC 60 cycle electrical outlet. Using any other power supply will damage the unit. As a special safety feature, the plug is polarized so that it will fit into standard AC outlets in one direction only. If the plug does not slip easily into the outlet, turn it over and insert again.

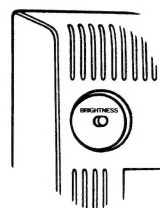
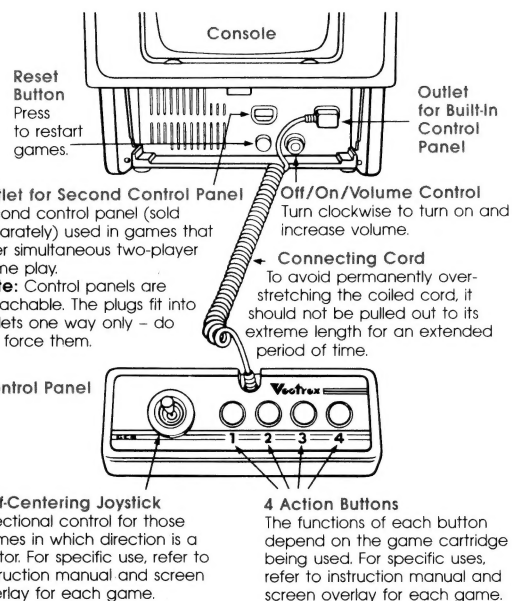
The Controls



Control Panel Storage

To remove control panel from the storage area at the bottom of the console, press the release tab and the panel will drop down. To return control panel to its storage area:

- Coil the cord **once** around the joystick and then on top of the action buttons.
- Slide the panel onto the tabs at the bottom of the console.
- Flip up the panel until it clicks into place.



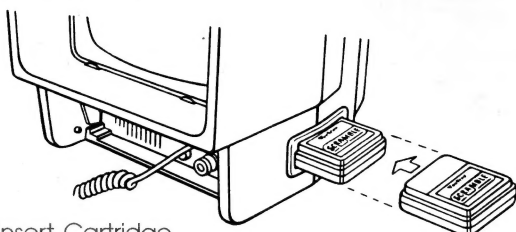
Brightness Control (on back of console)

Turn clockwise for brighter picture. Turn counter-clockwise to reduce brightness.

For maximum performance brightness should be adjusted so that white dot does NOT appear in centre of screen.

Inserting & Removing Game Cartridges

IMPORTANT: To prolong the life of your Vectrex™ Arcade System and protect the electronic components, the console should be turned OFF when inserting and removing cartridges.



To Insert Cartridge

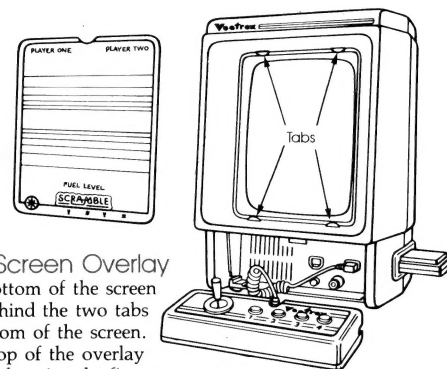
- Make sure the console's power is turned OFF.
- Hold the cartridge with the label side up.
- Insert cartridge carefully into the slot on the right side of the console.
- Be sure the cartridge is firmly inserted to the guideline marked on the cartridge.

To Remove Cartridge

- Make sure the console's power is turned OFF.
- Pull the cartridge straight out of the slot.
- To protect the electronic components, the cartridge should be stored in the original package or other suitable container.

IMPORTANT: Unlike a conventional TV screen, the screen built into the Vectrex™ console uses an advanced display technology to achieve brilliantly clear images and special visual effects like rotation and zooming. Due to this special display technology, it may appear that the images pulse slightly, especially in a room with fluorescent lighting. **THIS SLIGHT PULSING IS NORMAL AND DOES NOT INDICATE A PROBLEM WITH YOUR CONSOLE.** The screen overlays that are provided with each cartridge have been specially designed to virtually eliminate the slight pulsing.

Inserting & Removing Screen Overlays



To Insert Screen Overlay

- Slip the bottom of the screen overlay behind the two tabs at the bottom of the screen.
- Push the top of the overlay down slightly using the finger area at the top and press against the tabs at the top until the overlay snaps into place under the tabs.

To Remove Screen Overlay

- Place your finger in the curved area at the top of the overlay, press down slightly and pull the overlay straight out.
- Store the overlay in the original package or other suitable container.

Starting Game Play

- Make sure the cartridge and overlay are inserted properly.
NOTE: A cartridge is not needed to play Mine Storm™ which is the game built into the console.
- Turn the Off/On/Volume Control to the ON position (clockwise). You will see the Vectrex™ title for a few seconds, then the name of the game.
- Adjust the volume control to the desired listening level.
- Refer to the individual game instructions for play details.

Maintenance and Safety Tips

Your Vectrex™ Arcade System will bring you many years of fun and excitement. In order to keep your Vectrex™ Arcade System in good working condition, please remember the following:

- Proper ventilation is very important to prevent overheating. Never block the ventilation openings on the back of the console in any way. There are also ventilation slots on the bottom which should not be blocked by placing the console on a bed, sofa, carpet, etc.
- Be careful not to spill liquids on the console, cartridges or control panel and never expose the unit to rain or excessive moisture. If this happens, unplug the console, wipe the outside dry, and then let the unit air dry for at least 48 hours before using it again.
- Do not expose the console, cartridges or control panel to excessive or extreme heat. Never place the unit near or over a radiator or heat system.
- Never remove the back cover of the console or drop or push objects through the slots in the back cover. This could expose you to very high voltage.
- If the console is damaged, a shock hazard may exist. If damaged or if there is a distinct change in performance, immediately unplug the console and have it checked by a GCE Authorized Service Centre.
- Care should be taken not to drop the console, cartridges or control panel. The console should be lifted using the convenient handle at the upper rear of the console.
- Always turn the power OFF when the unit is not in use and before inserting or removing cartridges. Do not plug into a power source other than a 120 volt AC 60 cycles electrical outlet.

Clean the screen overlays and the exterior of the console with a soft, slightly dampened cloth. Before cleaning the console, make sure the unit has been turned OFF and the power cord has been disconnected. Never use a household cleaner, cleanser or spray on the overlays or console.

Troubleshooting Checklist

No Picture and No Sound

- Console not plugged into a working electrical outlet.
- Power switch on console is OFF. Turn it ON.
- Check that the wall switch which controls outlet is turned on.

No Sound; Picture OK

- Volume control turned down. Turn it up, press Reset Button and listen for music at beginning of game.

No Picture; Sound OK

- Brightness control on back of console turned down. Turn control knob clockwise for brighter picture.

Built-In Game Plays OK but Cartridge Game Erratic, Stops Unexpectedly, or Extraneous Graphics Appear

- Cartridge may be defective. Try another one.
- Cartridge not inserted completely. Push cartridge into slot all the way to mark on plastic housing; push Reset Button and resume play.

Joystick or Action Buttons

Do Not Work or Are Erratic

- Control panel plug is loose at console outlet. Push plug all the way into outlet.
- Built-in control panel plugged into outlet for second control panel. Always plug built-in control panel into the outlet on the right when playing games that require only one control panel.

Owner's Club

As a new owner of a Vectrex™ Arcade System, you are entitled to join the Vectrex™ Owner's Club at **NO COST OR OBLIGATION**. As a member you will periodically receive a newsletter filled with information on upcoming new games, exciting contests and much more. It's absolutely free, and available only for Vectrex™ Owner's Club members. To join, just fill out the enclosed postage-paid Vectrex™ Owner's Club Registration Card and drop it in the mail.

TV and Radio Interference

The Vectrex™ console's electronic circuitry generates signals for its own internal use that may cause interference to nearby radio and television receivers under certain circumstances. If interference does occur, you should try one or more of the following measures to correct the problem:

- Reorient the T.V. or radio antenna.
- Move the Vectrex™ console further from the T.V. or radio.
- Plug the Vectrex™ console into a different outlet than the T.V. or radio.
- Consult your Vectrex™ dealer or an experienced T.V./radio technician for additional suggestions.

WARRANTY

90 DAY LIMITED WARRANTY VECTREX™ ARCADE SYSTEM

Milton Bradley Canada, Inc. ("Milton Bradley") warrants to the original consumer purchaser (in Canada) of its Vectrex™ Arcade System that the product shall be free of defects in materials or workmanship for 90 days from the date of purchase under normal in-home use.

During the warranty period Milton Bradley will, at its option, repair or replace the product without charge for parts or labour when sent to an Authorized Service Centre with proof of the date of purchase. Milton Bradley reserves the right to utilize reconditioned parts in repairing the product or to utilize reconditioned units (carrying this same 90 day Limited Warranty) in replacing the product. Transportation or shipping charges to an Authorized Service Centre are your responsibility.

This warranty does not apply to any products or parts which have been repaired by anyone other than an Authorized Service Centre or Milton Bradley, or which have been altered, tampered with, or subjected to misuse or abuse, or damaged by negligence or by failure to abide by the operating and maintenance instructions contained in the Owner's Manual. This warranty is subject to Milton Bradley's inspection of returned products revealing that the same were defective in material or workmanship within the warranty period.

Please read the Vectrex™ Owner's Manual carefully before using the product. If a malfunction occurs, please refer to the trouble-shooting checklist in the Owner's Manual. If you cannot correct the malfunction after consulting the trouble-shooting checklist, please call the following toll-free telephone number for help in solving the problem or to locate your nearest Authorized Service Centre: 1-800-387-3152.

Units returned without proof of date of purchase, or units returned after the 90 day warranty period has expired, will be repaired or replaced, at our option, for a service charge. Payments must be made by cheque or money order in the amount of the service charge made payable to the Authorized Service Centre or to Milton Bradley if returned to the Milton Bradley Factory Service Centre.

This warranty shall not be enlarged, diminished or affected by, and no obligation shall arise or grow out of Milton Bradley's rendering technical advice or service in connection with the products. Milton Bradley assumes no liability for damages, whether consequential, direct, indirect, special or incidental, as a result of any losses suffered by the original purchaser or any third person, and whether or not such damages occur to property or to persons. Subject to making a valid warranty claim to Milton Bradley within the warranty period and having the defective product repaired or replaced in accordance herewith, the original purchaser shall have no other right to claims against Milton Bradley for any liability whatsoever.

If you need service for your unit, it's available during and after the 90 day warranty period. For the fastest, most convenient servicing, simply follow these steps:

1. First call the following toll-free telephone number for help in solving the problem or to locate your nearest Authorized Service Centre: 1-800-387-3152.
2. If service is needed, you can take or send the product to your nearest Authorized Service Centre for repair. The appropriate addresses will be given to you when you call the number shown above.
3. If you wish to send the product to the nearest Authorized Service Centre, please follow these steps:
 - a. Pack the product carefully in its original box. If the box is not available, use a strong carton with plenty of newspaper or padding.
 - b. Enclose a brief note telling us the specific problem you are having with the unit. Include your name and address on the note. Also enclose proof of the date of purchase if during the 90 day warranty period. If the warranty period has expired, enclose a cheque or money order for the service charge quoted by the toll-free operator.
 - c. On the outside of the carton, print the address given to you during your telephone call. Be sure to include your return address on the carton as well. Send the package prepaid by Insured Parcel Post or Courier Service.

© 1982 General Consumer Electronics, Inc.

© 1983 Milton Bradley Canada, Inc., Mississauga, Ontario L4T 3T1 3000 01/83

Vous pouvez faire appel à un service-après-vente avant ou après l'expiration de la garantie de 90 jours. Pour un service rapide, suivez les instructions suivantes:

1. Téléphonnez tout d'abord sans frais en composant le numéro de téléphone suivant pour vous aider à résoudre le problème ou pour obtenir l'adresse du Centre de service agréé le plus proche: 1-800-387-3152.
2. Si vous avez besoin d'un service-après-vente, vous pouvez apporter ou envoyer le produit au Centre de service agréé le plus proche. Les adresses voulues vous seront indiquées lors de votre appel téléphonique au numéro indiqué ci-dessus.
3. Si vous désirez envoyer le produit au Centre de service agréé le plus proche, suivez les instructions suivantes:

- a. Envoyez le produit dans son emballage original, ou bien utilisez un carton robuste et rembourrez-le avec du papier journal ou des chiffons.
- b. Joignez une lettre explicative indiquant la nature du mauvais fonctionnement de votre appareil. N'oubliez pas d'inclure vos nom et adresse dans la lettre. Joignez également une preuve de la date d'achat si la garantie de 90 jours est toujours en vigueur. Si la garantie a expiré, joignez un chèque ou un mandat couvrant le coût du service qui vous sera indiqué par le ou la préposée au téléphone.
- c. Inscrivez sur l'extérieur du carton l'adresse que vous avez obtenue lors de votre communication téléphonique. Inscrivez également votre adresse. Expédiez le paquet port payé et assuré, par le Service colis postaux ou tout autre service de transport.

© 1982 General Consumer Electronics, Inc.
© 1983 Milton Bradley Canada, Inc., Mississauga, Ontario L4T 3T1 3000 01/83

IMPORTANT SAFETY INSTRUCTIONS

1. Read all of these instructions.
2. Save these instructions for later use.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use attachments not recommended for use with this product as they may cause hazards.
5. Do not use this product near water — for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.
6. Do not place this product on an unstable cart, stand, or table. The unit may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart or stand recommended by the manufacturer, or sold with the product.
7. Slots and openings in the cabinet and the back or bottom are provided for ventilation, and to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The opening should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation such as a bookcase unless proper ventilation is provided.
8. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your local power company.
9. This product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
10. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be abused by persons walking on it.
11. Follow all warnings and instructions marked on the product.
12. Do not overload wall outlets and extension cords as this can result in fire or electric shock.
13. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill any liquid of any kind on the product.
14. Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
15. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a. When the power cord or plug is damaged or frayed.
 - b. If liquid has been spilled into the product.
 - c. If the product has been exposed to rain or water.
 - d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - e. If the product has been dropped or the cabinet has been damaged.
 - f. When the product exhibits a distinct change in performance — this indicates a need for service.
16. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
17. Upon completion of any service or repairs to this product, ask the service technician to perform routine safety checks to determine that the product is in safe operating condition.